

VAPOR PRESSURE OF WATER FROM 0 TO 370°C

This table gives the vapor pressure of water at intervals of 1° C from the melting point to the critical point.

Reference

Haar, L., Gallagher, J. S., and Kell, G. S., *NBS/NRC Steam Tables*, Hemisphere Publishing Corp., New York, 1984.

<i>t</i> /°C	<i>P</i> /kPa	<i>t</i> /°C	<i>P</i> /kPa	<i>t</i> /°C	<i>P</i> /kPa	<i>t</i> /°C	<i>P</i> /kPa
0	0.61129	52	13.623	104	116.67	156	557.32
1	0.65716	53	14.303	105	120.79	157	571.94
2	0.70605	54	15.012	106	125.03	158	586.87
3	0.75813	55	15.752	107	129.39	159	602.11
4	0.81359	56	16.522	108	133.88	160	617.66
5	0.87260	57	17.324	109	138.50	161	633.53
6	0.93537	58	18.159	110	143.24	162	649.73
7	1.0021	59	19.028	111	148.12	163	666.25
8	1.0730	60	19.932	112	153.13	164	683.10
9	1.1482	61	20.873	113	158.29	165	700.29
10	1.2281	62	21.851	114	163.58	166	717.83
11	1.3129	63	22.868	115	169.02	167	735.70
12	1.4027	64	23.925	116	174.61	168	753.94
13	1.4979	65	25.022	117	180.34	169	772.52
14	1.5988	66	26.163	118	186.23	170	791.47
15	1.7056	67	27.347	119	192.28	171	810.78
16	1.8185	68	28.576	120	198.48	172	830.47
17	1.9380	69	29.852	121	204.85	173	850.53
18	2.0644	70	31.176	122	211.38	174	870.98
19	2.1978	71	32.549	123	218.09	175	891.80
20	2.3388	72	33.972	124	224.96	176	913.03
21	2.4877	73	35.448	125	232.01	177	934.64
22	2.6447	74	36.978	126	239.24	178	956.66
23	2.8104	75	38.563	127	246.66	179	979.09
24	2.9850	76	40.205	128	254.25	180	1001.9
25	3.1690	77	41.905	129	262.04	181	1025.2
26	3.3629	78	43.665	130	270.02	182	1048.9
27	3.5670	79	45.487	131	278.20	183	1073.0
28	3.7818	80	47.373	132	286.57	184	1097.5
29	4.0078	81	49.324	133	295.15	185	1122.5
30	4.2455	82	51.342	134	303.93	186	1147.9
31	4.4953	83	53.428	135	312.93	187	1173.8
32	4.7578	84	55.585	136	322.14	188	1200.1
33	5.0335	85	57.815	137	331.57	189	1226.9
34	5.3229	86	60.119	138	341.22	190	1254.2
35	5.6267	87	62.499	139	351.09	191	1281.9
36	5.9453	88	64.958	140	361.19	192	1310.1
37	6.2795	89	67.496	141	371.53	193	1338.8
38	6.6298	90	70.117	142	382.11	194	1368.0
39	6.9969	91	72.823	143	392.92	195	1397.6
40	7.3814	92	75.614	144	403.98	196	1427.8
41	7.7840	93	78.494	145	415.29	197	1458.5
42	8.2054	94	81.465	146	426.85	198	1489.7
43	8.6463	95	84.529	147	438.67	199	1521.4
44	9.1075	96	87.688	148	450.75	200	1553.6
45	9.5898	97	90.945	149	463.10	201	1586.4
46	10.094	98	94.301	150	475.72	202	1619.7
47	10.620	99	97.759	151	488.61	203	1653.6
48	11.171	100	101.32	152	501.78	204	1688.0
49	11.745	101	104.99	153	515.23	205	1722.9
50	12.344	102	108.77	154	528.96	206	1758.4
51	12.970	103	112.66	155	542.99	207	1794.5

<i>t</i> /°C	<i>P</i> /kPa	<i>t</i> /°C	<i>P</i> /kPa	<i>t</i> /°C	<i>P</i> /kPa	<i>t</i> /°C	<i>P</i> /kPa
208	1831.1	250	3973.6	292	7657.2	334	13528
209	1868.4	251	4041.2	293	7768.6	335	13701
210	1906.2	252	4109.6	294	7881.3	336	13876
211	1944.6	253	4178.9	295	7995.2	337	14053
212	1983.6	254	4249.1	296	8110.3	338	14232
213	2023.2	255	4320.2	297	8226.8	339	14412
214	2063.4	256	4392.2	298	8344.5	340	14594
215	2104.2	257	4465.1	299	8463.5	341	14778
216	2145.7	258	4539.0	300	8583.8	342	14964
217	2187.8	259	4613.7	301	8705.4	343	15152
218	2230.5	260	4689.4	302	8828.3	344	15342
219	2273.8	261	4766.1	303	8952.6	345	15533
220	2317.8	262	4843.7	304	9078.2	346	15727
221	2362.5	263	4922.3	305	9205.1	347	15922
222	2407.8	264	5001.8	306	9333.4	348	16120
223	2453.8	265	5082.3	307	9463.1	349	16320
224	2500.5	266	5163.8	308	9594.2	350	16521
225	2547.9	267	5246.3	309	9726.7	351	16725
226	2595.9	268	5329.8	310	9860.5	352	16931
227	2644.6	269	5414.3	311	9995.8	353	17138
228	2694.1	270	5499.9	312	10133	354	17348
229	2744.2	271	5586.4	313	10271	355	17561
230	2795.1	272	5674.0	314	10410	356	17775
231	2846.7	273	5762.7	315	10551	357	17992
232	2899.0	274	5852.4	316	10694	358	18211
233	2952.1	275	5943.1	317	10838	359	18432
234	3005.9	276	6035.0	318	10984	360	18655
235	3060.4	277	6127.9	319	11131	361	18881
236	3115.7	278	6221.9	320	11279	362	19110
237	3171.8	279	6317.0	321	11429	363	19340
238	3228.6	280	6413.2	322	11581	364	19574
239	3286.3	281	6510.5	323	11734	365	19809
240	3344.7	282	6608.9	324	11889	366	20048
241	3403.9	283	6708.5	325	12046	367	20289
242	3463.9	284	6809.2	326	12204	368	20533
243	3524.7	285	6911.1	327	12364	369	20780
244	3586.3	286	7014.1	328	12525	370	21030
245	3648.8	287	7118.3	329	12688	371	21283
246	3712.1	288	7223.7	330	12852	372	21539
247	3776.2	289	7330.2	331	13019	373	21799
248	3841.2	290	7438.0	332	13187	373.98	22055
249	3907.0	291	7547.0	333	13357		